

# Alpha Tom Kodamullil

## List of Publications by Year in descending order

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Version: 2024-02-01

26  
papers

544  
citations

840776

11  
h-index

713466

21  
g-index

39  
all docs

39  
docs citations

39  
times ranked

815  
citing authors

#	ARTICLE	IF	CITATIONS
1	COVID-19 Knowledge Graph: a computable, multi-modal, cause-and-effect knowledge model of COVID-19 pathophysiology. <i>Bioinformatics</i> , 2021, 37, 1332-1334.	4.1	70
2	Comorbidity Analysis between Alzheimer's Disease and Type 2 Diabetes Mellitus (T2DM) Based on Shared Pathways and the Role of T2DM Drugs. <i>Journal of Alzheimer's Disease</i> , 2017, 60, 721-731.	2.6	55
3	Bioinformatics Mining and Modeling Methods for the Identification of Disease Mechanisms in Neurodegenerative Disorders. <i>International Journal of Molecular Sciences</i> , 2015, 16, 29179-29206.	4.1	47
4	Computable cause-and-effect models of healthy and Alzheimer's disease states and their mechanistic differential analysis. <i>Alzheimer's and Dementia</i> , 2015, 11, 1329-1339.	0.8	46
5	Tracing investment in drug development for Alzheimer disease. <i>Nature Reviews Drug Discovery</i> , 2017, 16, 819-819.	46.4	45
6	Multimodal mechanistic signatures for neurodegenerative diseases (NeuroMMSig): a web server for mechanism enrichment. <i>Bioinformatics</i> , 2017, 33, 3679-3681.	4.1	39
7	PDON: Parkinson's disease ontology for representation and modeling of the Parkinson's disease knowledge domain. <i>Theoretical Biology and Medical Modelling</i> , 2015, 12, 20.	2.1	29
8	The COVID-19 Ontology. <i>Bioinformatics</i> , 2021, 36, 5703-5705.	4.1	27
9	Training and evaluation corpora for the extraction of causal relationships encoded in biological expression language (BEL). <i>Database: the Journal of Biological Databases and Curation</i> , 2016, 2016, baw113.	3.0	24
10	Of Mice and Men: Comparative Analysis of Neuro-Inflammatory Mechanisms in Human and Mouse Using Cause-and-Effect Models. <i>Journal of Alzheimer's Disease</i> , 2017, 59, 1045-1055.	2.6	18
11	On the influence of several factors on pathway enrichment analysis. <i>Briefings in Bioinformatics</i> , 2022, 23, .	6.5	17
12	Linking COVID-19 and Heme-Driven Pathophysiologies: A Combined Computational-Experimental Approach. <i>Biomolecules</i> , 2021, 11, 644.	4.0	16
13	Using Drugs as Molecular Probes: A Computational Chemical Biology Approach in Neurodegenerative Diseases. <i>Journal of Alzheimer's Disease</i> , 2017, 56, 677-686.	2.6	14
14	A method for the rational selection of drug repurposing candidates from multimodal knowledge harmonization. <i>Scientific Reports</i> , 2021, 11, 11049.	3.3	12
15	Computational Modelling Approaches on Epigenetic Factors in Neurodegenerative and Autoimmune Diseases and Their Mechanistic Analysis. <i>Journal of Immunology Research</i> , 2015, 2015, 1-10.	2.2	11
16	STonKGs: a sophisticated transformer trained on biomedical text and knowledge graphs. <i>Bioinformatics</i> , 2022, 38, 1648-1656.	4.1	11
17	Reasoning over genetic variance information in cause-and-effect models of neurodegenerative diseases. <i>Briefings in Bioinformatics</i> , 2016, 17, 505-516.	6.5	10
18	Data-Driven Modeling of Knowledge Assemblies in Understanding Comorbidity Between Type 2 Diabetes Mellitus and Alzheimer's Disease. <i>Journal of Alzheimer's Disease</i> , 2020, 78, 87-95.	2.6	10

#	ARTICLE	IF	CITATIONS
19	Machine Learning Based Prediction of COVID-19 Mortality Suggests Repositioning of Anticancer Drug for Treating Severe Cases. <i>Artificial Intelligence in the Life Sciences</i> , 2021, 1, 100020.	2.2	6
20	Benchmarking table recognition performance on biomedical literature on neurological disorders. <i>Bioinformatics</i> , 2022, 38, 1624-1630.	4.1	4
21	Integrative data semantics through a model-enabled data stewardship. <i>Bioinformatics</i> , 2022, 38, 3850-3852.	4.1	4
22	Quantifying mechanisms in neurodegenerative diseases (NDDs) using candidate mechanism perturbation amplitude (CMPA) algorithm. <i>BMC Bioinformatics</i> , 2019, 20, 494.	2.6	3
23	DecoPath: a web application for decoding pathway enrichment analysis. <i>NAR Genomics and Bioinformatics</i> , 2021, 3, lqab087.	3.2	3
24	Towards a global investigation of transcriptomic signatures through co-expression networks and pathway knowledge for the identification of disease mechanisms. <i>Nucleic Acids Research</i> , 2021, 49, 7939-7953.	14.5	3
25	Elucidating gene expression patterns across multiple biological contexts through a large-scale investigation of transcriptomic datasets. <i>BMC Bioinformatics</i> , 2022, 23, .	2.6	3
26	A Systems Biology Approach for Hypothesizing the Effect of Genetic Variants on Neuroimaging Features in Alzheimer's Disease. <i>Journal of Alzheimer's Disease</i> , 2021, 80, 831-840.	2.6	2